

Polyplastic Armlen® PP GF 30-5HS-901 Polypropylene, 30% Glass Filled

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:Heat stabilized, black color
Information provided by PolyPlastic Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastic-Armlen-PP-GF-30-5HS-901-Polypropylene-30-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	ISO 527
Flexural Modulus	5.60 GPa	812 ksi	ISO 178
Izod Impact, Unnotched (ISO)	50.0 kJ/m ² @Temperature -45.0 °C	23.8 ft-lb/in ² @Temperature -49.0 °F	ISO 180/1eA
	54.0 kJ/m ² @Temperature 23.0 °C	25.7 ft-lb/in ² @Temperature 73.4 °F	ISO 180/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ISO 75A

Processing Properties	Metric	English	Comments
Melt Temperature	145 °C	293 °F	
Mold Temperature	60.0 °C	140 °F	
Drying Temperature	85.0 °C @Time 3600 - 7200 sec	185 °F @Time 1.00 - 2.00 hour	

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